

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenship are as stated below next to our names, John F. Boylan, William J. Boyle, Andy E. Denison, Debashis Dutta, Benjamin C. Huter, Scott J. Huter, Paul F. Muller, Samir Patel, Francisco Sanchez, Kent C.B. Stalker, Christopher J. Tarapata and Chicheng Wang.

We believe we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled EMBOLIC PROTECTION DEVICES the specification of which (check one)

\_\_\_ is attached hereto

  X   was filed on November 28, 2000

Application Serial No. 09/727,102

and was amended on (or amended through) \_\_\_\_\_

(if applicable)

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

We acknowledge the duty to disclose information which is material patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) |                |                             | Priority Claimed |           |
|------------------------------|----------------|-----------------------------|------------------|-----------|
| <u>Number</u>                | <u>Country</u> | <u>Day/Month/Year filed</u> | <u>Yes</u>       | <u>No</u> |
| None                         |                |                             |                  |           |

We hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| <u>Appln. Serial No.</u> | <u>Filing Date</u> | <u>Status (patented, pending, abandoned)</u> |
|--------------------------|--------------------|--|
| None                     |                    |  |

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

We hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

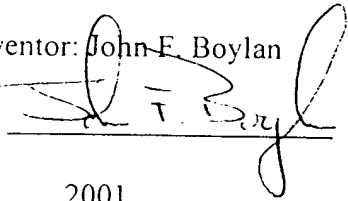
EARL A. BRIGHT II, Registration No. 37,045; THOMAS A. HASSING, Registration No. 36,159; TIM L. KITCHEN, Registration 41,900; PHILIP S. YIP, Registration 37,265; RICHARD A. BARDIN, Registration No. 20,365; GILBERT G. KOVELMAN; Registration No. 19,552; JOHN S. NAGY, Registration No. 30,664; THOMAS H. MAJCHER, Registration No. 31,119; THOMAS A. RUNK, Registration No. 30,679; JOHN V. HANLEY, Registration No. 38,171; JOHN K. FITZGERALD, Registration No. 38,881; and PAUL Y. FENG, Registration No. 35,510.

Direct all telephone calls to Thomas H. Majcher at telephone number (310) 824-5555.

Address all correspondence to:

FULWIDER PATTON LEE & UTECHT, LLP  
Howard Hughes Center  
6060 Center Drive  
Tenth Floor  
Los Angeles, California 90045

Full name of first inventor: John F. Boylan

Inventor's signature: 

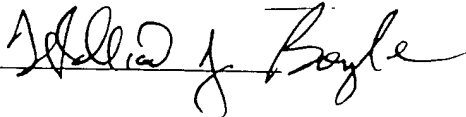
Date: 2 MAY, 2001

Residence: Murrieta, California

Citizenship: USA

Post Office Address: 37896 Sky High Drive, Murrieta, California 92562

Full name of second inventor: William J. Boyle

Inventor's signature: 

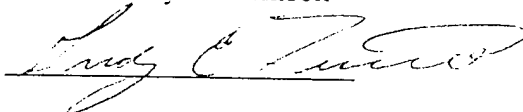
Date: 5/2, 2001

Residence: Fallbrook, California

Citizenship: USA

Post Office Address: 3119 Cherrypoint Court, Fallbrook, California 92028

Full name of third inventor: Andy E. Denison

Inventor's signature: 

Date: 05/02, 2001

Residence: Temecula, California

Citizenship: USA

Post Office Address: 42200 Margarita Road, #131, Temecula, California 92592

Full name of fourth inventor: Debashis Dutta

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Santa Clara, California

Citizenship: India

Post Office Address: 480 Oak Grove Drive, #307, Santa Clara, California 95054

Full name of second inventor: William J. Boyle

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Fallbrook, California

Citizenship: USA

Post Office Address: 3119 Cherrypoint Court, Fallbrook, California 92028

Full name of third inventor: Andy E. Denison

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Temecula, California

Citizenship: USA

Post Office Address: 42200 Margarita Road, #131, Temecula, California 92592

Full name of fourth inventor: Debashis Dutta

Inventor's signature: Debashis Dutta


Date: 5 / 11 /, 2001

Residence: Santa Clara, California

Citizenship: India

Post Office Address: 480 Oak Grove Drive, #307, Santa Clara, California 95054

Full name of fifth inventor: Benjamin C. Huter

Inventor's signature: 

Date: 5/3, 2001

Residence: Murrieta, California

Citizenship: USA

Post Office Address: 24375 Jackson Avenue, Apt. I-307, Murrieta, California 92562

Full name of sixth inventor: Scott J. Huter

Inventor's signature: 

Date: 5/3, 2001

Residence: Temecula, California

Citizenship: USA

Post Office Address: 43390 Corta Almeria, Temecula, California 92592

Full name of seventh inventor: Paul F. Muller

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: San Carlos, California

Citizenship: USA

Post Office Address: 152 Glasgow Lane, San Carlos, California 94070

Full name of fifth inventor: Benjamin C. Huter

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Murrieta, California

Citizenship: USA

Post Office Address: 24375 Jackson Avenue, Apt. I-307, Murrieta, California 92562

Full name of sixth inventor: Scott J. Huter

Inventor's signature: \_\_\_\_\_

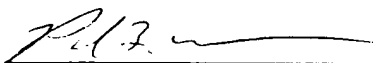
Date: \_\_\_\_\_, 2001

Residence: Temecula, California

Citizenship: USA

Post Office Address: 43390 Corta Almeria, Temecula, California 92592

Full name of seventh inventor: Paul F. Muller

Inventor's signature: 

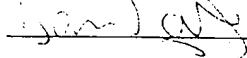
Date: 5/3, 2001

Residence: San Carlos, California

Citizenship: USA

Post Office Address: 152 Glasgow Lane, San Carlos, California 94070

Full name of eighth inventor: Samir Patel

Inventor's signature: 

Date: 5.3, 2001

Residence: Del Mar, California

Citizenship: USA

Post Office Address: 13884 Boglida Drive, Del Mar, California 92014

Full name of ninth inventor: Christopher J. Tarapata

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Santa Clara, California

Citizenship: USA

Post Office Address: 3159 Merced Court, Santa Clara, California 95051

Full name of tenth inventor: Chicheng Wang

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Highland Park, New Jersey

Citizenship: USA

Post Office Address: 200D Cedar Lane, Highland Park, New Jersey 08904



Full name of eighth inventor: Samir Patel

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Del Mar, California

Citizenship: USA

Post Office Address: ~~13884~~ Boglida Drive, Del Mar, California 92014

523 MAAR PLACE, GLENDALE, CALIF 91201

Full name of ninth inventor: Christopher J. Tarapata

Inventor's signature: Christopher J. Tarapata

Date: May 11, 2001

Residence: ~~Santa Clara, California~~ NORTH ANDOVER, MA

Citizenship: USA

Post Office Address: ~~3159 Merced Court, Santa Clara, California 95051~~

160 ANDOVER BYPASS, NORTH ANDOVER, MASSACHUSETTS 01845

Full name of tenth inventor: Chicheng Wang

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Highland Park, New Jersey

Citizenship: USA

Post Office Address: 200D Cedar Lane, Highland Park, New Jersey 08904

Full name of eighth inventor: Samir Patel

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Del Mar, California

Citizenship: USA

Post Office Address: 13884 Boglida Drive, Del Mar, California 92014

Full name of ninth inventor: Christopher J. Tarapata

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2001

Residence: Santa Clara, California

Citizenship: USA

Post Office Address: 3159 Merced Court, Santa Clara, California 95051

Full name of tenth inventor: Chicheng Wang

Inventor's signature: \_\_\_\_\_

Date: 11/11/01, 2001

Residence: Highland Park, New Jersey

Citizenship: USA

Post Office Address: 200D Cedar Lane, Highland Park, New Jersey 08904

Full name of eleventh inventor: Francisco Sanchez

Inventor's signature: Francisco Sanchez

Date: May 3, 2001

Residence: Temecula, California

Citizenship: USA

Post Office Address: 43267 Corte Montilla, Temecula, California 92592

Full name of twelfth inventor: Kent C.B. Stalker

Inventor's signature: Kent C.B. Stalker

Date: May 3, 2001

Residence: San Marcos, California

Citizenship: USA

Post Office Address: 702 Pascali Court, San Marcos, California 92069



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 09, 2001

PTAS

FULWIDER PATTON LEE & UTECHT, LLP

THOMAS H. MAJCHER

6060 CENTER DRIVE, TENTH FLOOR

LOS ANGELES, CA 90045



\*101731480A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/22/2001

REEL/FRAME: 011832/0566

NUMBER OF PAGES: 21

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BOYLAN, JOHN F.

DOC DATE: 05/11/2001

ASSIGNOR:

BOYLE, WILLIAM J.

DOC DATE: 05/11/2001

ASSIGNOR:

DENISON, ANDY E.

DOC DATE: 05/11/2001

ASSIGNOR:

DUTTA, DEBASHIS

DOC DATE: 05/11/2001

ASSIGNOR:

HUTER, BENJAMIN C.

DOC DATE: 05/11/2001

ASSIGNOR:

HUTER, SCOTT J.

DOC DATE: 05/11/2001

ASSIGNOR:

MULLER, PAUL F.

DOC DATE: 05/11/2001

011832/0566 PAGE 2

ASSIGNOR:  
PATEL, SAMIR

DOC DATE: 05/11/2001

ASSIGNOR:  
SANCHEZ, FRANCISCO

DOC DATE: 05/11/2001

ASSIGNOR:  
STALKER, KENT C. B.

DOC DATE: 05/11/2001

ASSIGNOR:  
TARAPATA, CHRISTOPHER J.

DOC DATE: 05/11/2001

ASSIGNOR:  
WANG, CHICHENG

DOC DATE: 05/11/2001

ASSIGNEE:  
ADVANCED CARDIOVASCULAR SYSTEMS,  
INC.  
3200 LAKESIDE DRIVE  
SANTA CLARA, CALIFORNIA 95054-2807

SERIAL NUMBER: 09727102  
PATENT NUMBER:

FILING DATE: 11/28/2000  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## ASSIGNMENT

This Assignment made by John F. Boylan of Murrieta, California, William J. Boyle of Fallbrook, California, Andy E. Denison of Temecula, California, Debashis Dutta of Santa Clara, California, Benjamin C. Huter of Murrieta, California, Scott J. Huter of Temecula, California, Paul F. Muller of San Carlos, California, Samir Patel of Del Mar, California, Francisco Sanchez of Temecula, California, Kent C.B. Stalker of San Marcos, California, Christopher J. Tarapata of Santa Clara, California, and Chicheng Wang of Highland Park, New Jersey, Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

WHEREAS, Assignors have invented a new and useful **EMBOLIC PROTECTION DEVICES**, for which an application for United States Letters Patent has been executed by them this day; and

WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to

Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, them and their legal representative(s) and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

\_\_\_\_\_  
IN WITNESS WHEREOF, Assignors have executed this Assignment on the date  
written herein below.

Assignors:

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
John F. Boylan

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
William J. Boyle

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Andy E. Denison

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Debashis Dutta

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Benjamin C. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Scott J. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Paul F. Muller



Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Samir Patel

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Francisco Sanchez

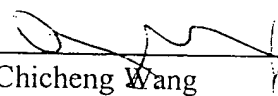
Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Kent C.B. Stalker

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Christopher J. Tarapata

Date: May 4<sup>th</sup>, 2001

  
Chicheng Wang

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This Assignment made by John F. Boylan of Murrieta, California, William J. Boyle of Fallbrook, California, Andy E. Denison of Temecula, California, Debashis Dutta of Santa Clara, California, Benjamin C. Huter of Murrieta, California, Scott J. Huter of Temecula, California, Paul F. Muller of San Carlos, California, Samir Patel of Del Mar, California, Francisco Sanchez of Temecula, California, Kent C.B. Stalker of San Marcos, California, Christopher J. Tarapata of ~~NORTH ANDOVER, MASSACHUSETTS~~ ~~Santa Clara, California~~, and Chicheng Wang of Highland Park, New Jersey, Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

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Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, them and their legal representative(s) and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the date  
written herein below.

Assignors:

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
John F. Boylan

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
William J. Boyle

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Andy E. Denison

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Debashis Dutta

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Benjamin C. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Scott J. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Paul F. Muller

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Samir Patel

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Francisco Sanchez

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Kent C.B. Stalker

Date: May 11, 2001

Christopher J. Tarapata  
Christopher J. Tarapata

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Chicheng Wang

---

ASSIGNMENT

This Assignment made by John F. Boylan of Murrieta, California, William J. Boyle of Fallbrook, California, Andy E. Denison of Temecula, California, Debashis Dutta of Santa Clara, California, Benjamin C. Huter of Murrieta, California, Scott J. Huter of Temecula, California, Paul F. Muller of San Carlos, California, Samir Patel of Del Mar, California, Francisco Sanchez of Temecula, California, Kent C.B. Stalker of San Marcos, California, Christopher J. Tarapata of Santa Clara, California, and Chicheng Wang of Highland Park, New Jersey, Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

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WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to

Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, them and their legal representative(s) and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

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\_\_\_\_\_  
John F. Boylan

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
William J. Boyle

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Andy E. Denison

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Debashis Dutta

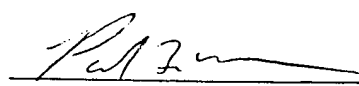
Date: \_\_\_\_\_, 2001

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Benjamin C. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Scott J. Huter

Date: 5/3, 2001

  
\_\_\_\_\_  
Paul F. Muller



Date: 5.3, 2001

Samir Patel  
Samir Patel

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Francisco Sanchez

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Kent C.B. Stalker

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Christopher J. Tarapata

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Chicheng Wang

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Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS ~~WHEREOF~~, Assignors have executed this Assignment on the date  
written herein below.

Assignors:

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
John F. Boylan

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
William J. Boyle

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Andy E. Denison

Date: May 10, 2001

Debashis Dutta  
Debashis Dutta

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Benjamin C. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Scott J. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Paul F. Muller

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Samir Patel

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Francisco Sanchez

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Kent C.B. Stalker

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Christopher J. Tarapata

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Chicheng Wang

---

ASSIGNMENT

This Assignment made by John F. Boylan of Murrieta, California, William J. Boyle of Fallbrook, California, Andy E. Denison of Temecula, California, Debashis Dutta of Santa Clara, California, Benjamin C. Huter of Murrieta, California, Scott J. Huter of Temecula, California, Paul F. Muller of San Carlos, California, Samir Patel of Del Mar, California, Francisco Sanchez of Temecula, California, Kent C.B. Stalker of San Marcos, California, Christopher J. Tarapata of Santa Clara, California, and Chicheng Wang of Highland Park, New Jersey, Assignors, to ADVANCED CARDIOVASCULAR SYSTEMS, INC., a California corporation, Assignee, having a place of business at 3200 Lakeside Drive, Santa Clara, California 95054-2807.

WHEREAS, Assignors have invented a new and useful **EMBOLIC PROTECTION DEVICES**, for which an application for United States Letters Patent has been executed by them this day; and

WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to

—Assignee, the entire right, title and interest in and to said invention, said application, and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, them and their legal representative(s) and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

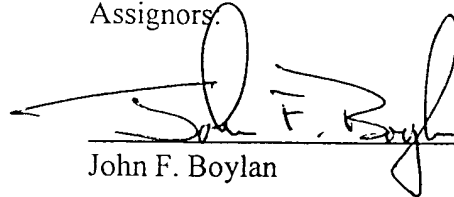
Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

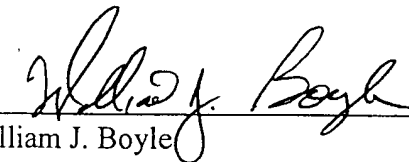
IN WITNESS WHEREOF, Assignors have executed this Assignment on the date  
written herein below.

Assignors:

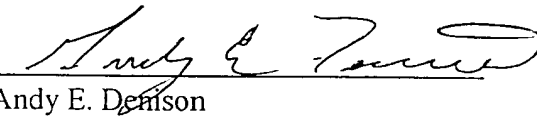
Date: 2 MAY, 2001

  
\_\_\_\_\_  
John F. Boylan

Date: 5/2, 2001

  
\_\_\_\_\_  
William J. Boyle

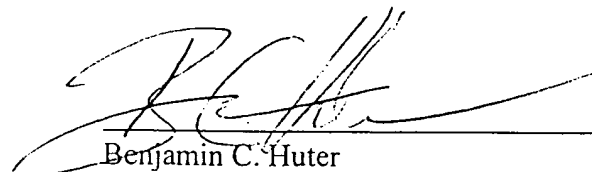
Date: 05/02, 2001

  
\_\_\_\_\_  
Andy E. Denison

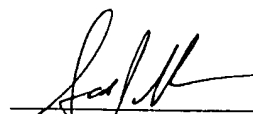
Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Debashis Dutta

Date: 5-3, 2001

  
\_\_\_\_\_  
Benjamin C. Huter

Date: 5/3, 2001

  
\_\_\_\_\_  
Scott J. Huter

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Paul F. Muller



Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Samir Patel

Date: May 3, 2001

Francisco Sanchez  
Francisco Sanchez

Date: May 3, 2001

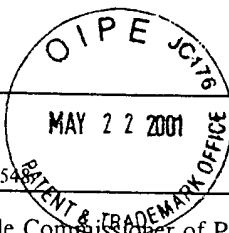
Kent C.B. Stalker  
Kent C.B. Stalker

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Christopher J. Tarapata

Date: \_\_\_\_\_, 2001

\_\_\_\_\_  
Chicheng Wang



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1-31-92

MAY 22 2001

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

205572.1 ACS-5354

101731480

To the Honorable Commissioner of Patents and Trademarks. Please record the attached documents or copy thereof.

1. Name of conveying party(ies): John F. Boylan, William J. Boyle, Andy E. Denison, Debashis Dutta, Benjamin C. Huter, Scott J. Huter, Paul F. Muller, Samir Patel, Francisco Sanchez, Kent C.B. Stalker, Christopher J. Tarapata, Chicheng Wang

2. Name and address of receiving party(ies):

Additional name(s) of conveying party(ies) attached? NO

Name: Advanced Cardiovascular Systems, Inc.

3. Nature of Conveyance:

MLO  
522-01

Internal Address:

☒ Assignment ☐ Merger

Street Address: 3200 Lakeside Drive

☐ Security Agreement ☐ Change of NameCity Santa Clara State CA ZIP 95054-2807☐ OtherAdditional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: May 11, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/727,102

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: FULWIDER PATTON LEE &amp; UTECHT, LLP

6. Total number of applications and patents involved: One (1)

Internal Address: Howard Hughes Center

7. Total fee (37 CFR 3.41): \$ 40.00

Street Address: 6060 Center Drive, Tenth Floor

☒ Enclosed 405City: Los Angeles State: CA Zip: 90045☒ Any deficiency/overpayment is authorized to be charged to deposit account

8. Deposit account number: 06-2425

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

THOMAS H. MAJCHER

Name of Person Signing

Signature

May 18, 2001

Date

Total number of pages including cover sheet, attachments and document: Twenty-one (21)

OMB No. 0651-0011 (exp. 4/94)